# 13 

M. 255

WM. E. STOCKETT & CO.,
Bookbinders and
Blank Book Manufacturers,
413-415 9th St., N. W.,
Washington, D. C.

En route to Mupes. Dec. 13-15,

Die. 13. 1902,

Left Washington, D. 6. at 11:15 a.M. by the B, V.O. R.R. for Mexico, all day a driggling rain fell and it was so cold that the water froze, forming a coater of ice on the branches of trus, finees and all upposed surfaces. The train was delayed and missed a connection at leineinwate, so that much of the might was spent there waiting for mother train.

Dre. 14 en route.

When I got up I found we were still at leinemonate. We finally got away about 9:15 I.M. and nached St. Forms at 6:25 P.M. The cold, driggling rain continued to fall all day.

Dic. 15 in route.

Last night by washouts. This morning when I !
got up we were nearing Russell, arkansas.
They heavy rains occurred last night and!

The tops of time poots profice about the warrent today and

leaves. The country is low, fairly level,

and in most places forestert. In the cleanings crops of come and cotton are raised. The people are whicherty poor. The houses are small, primitive looking offairs, usually of rough boards but occasionally of looks. Most of them have old-Jashioned Hriplaces with tig chimneys built outside at the ends. The cotton flouts are small and stunted. The most abundant fourt two man Russel is an rok with large, looked leaves. The board stull adhere to the branches giving a redding brown color to the fourt.

Platamus. Dycamous are common among the ooks discribed above,

Tiriodendron? Feafless tress that I took to be Pulip brees were common over large areas east of Firthe Rock. Arkansas.

Most of the Junes were worm Junes made of heavy split rails.

Crims. As we neared Firthe Rock, a pine with short leaves and small comes appeared suddenly and was abundant over certain wear But did not appear to occur at sel over other areas, apparently of the same character. Passed Linke Rock about noon

Ilumella. Tweral were sem alighting in a field along the R.R., about 30 miles west Fines. Pines become more abundant along the R.R. about 30 miles west of Fittle Rock and in many places are the principal forest tree, hear arkadelphia, Furdon and

other places along the road considerable lumber is sawed from the pines,

Palms. as we neared Treathand, the country, which is still forested, became more swampy and small palms appeared, In some places the palms were very abundant.

Dec. 16, en route, San antonis, The Veg. This morning when I got up we were bassing austric. Per, and I saw some of the Jamiliar Miganitis and large, flat-leaved Openitia and there were many Live Raks covered with Spanish Moss, also many small

Fusky-topped cedars or Junipers. Sturnella, Sweral large looke Hoeks of

2 reached Den Entonio about 1/a.M. and was obliged to spiral a night there,

Dec. 17 in route.

Fift Dem antonio for Eagle Pars and
Milies at 8:30 a.M.

Veg. Between Dan antonio and Eagle Pars,

Megquites, large Spentia and acaria Jamesia

Em route, Zacaticas. Die, 18.

mere abundant.

Ceatharista strata. Sow a flock of about 100 working on and flying about the careaus of a cour lying mean the R.R. a short distance month of spot-ford. Try,

Spofford, Affarmity not so abundant as 6. atrata
The "administrador of the advara" at levidad
Porficio Diaz, passed all my Gozgaze without of
liging me to open any, and the train started
on south into Muxico at 40.M.

Dec. 18. in route, Zacaticas. Zacaticas.

alt. Zacatiens. 8000 ft.

When I got up this morning, the train was about so miles from Torrion where we soon arrivel for breakfast.

Hear Picardias, Barrin rugged hills rive 1000 It. or more, a short distance away, both on the east and on the west.

Falco Aparverius, Sweral were sem flying, along R.R. today,

It Jimiles. Barring, rugged hills rise 1000-1500 It, about a finile away on the east side and about two miles away on the west side. In the Follow land along the river, crops of corn and collow are raised.

Veg. The vegelation effected to be about the

nout of Trismells, where the country becomes more growing and at least some of the species appear to und. Perhaps this point may be near the extreme upper limit of the Sower Sonoron zone, Most of the species wany in size and abundance on deforment

Your nearly all along the way today, Hear Futures they were iarger and more abundant than elsewhere, forguera, Common at bast as Jan as Junules,

Covillea musicava, Common Jun Porrem to a point a short dislance north of Frismillo where it appeared to und entirily, agave "lechugilla" Hear Junules this, and

a much larger again are abundant, Most of them were sun a thort distance wouth of the town.

Spuntia, a large, Frood, Flot-leaved opinion was common nearly all the way and his not with untilled myreams, a short distance north of Trixmillo, Zae, Hearn Futures the Opentia's were much larger and more abundant than elsewhere.

The train reached zacations about 7 P.M. and I found quarters at the Hotel zacations," The weather

sieure losofypes of sigmodon Julviventir. Dre. 19. Remain at Jacalicas.

Tigmodon Julvaviller, My object in slopping here was to seeme lopolypes of this spicers, The collector of the type reported that the opicies is abundant in the farrin parlines surrounding the city. Today was spent in searching for signs on the Farm stopes of the wills in the vicinity of the city, but nothing very promising was found. Traps were set during the afternoon in the best looking

Homes. Only one more of importance is dung worked near hime and the lown is very dull. almost all of the mines have been abandoned. The majority of the people seen in the streets belong to the lower class and look very raggest and dorty and thoroughly writered,

tepus gack), I specimen which had been that man tealer was dought in the market

Mis morning, seardafella mew drily run in the parlos and yards in the middle of the cety. Suscalus macrourus, abundant in flocks among the houses in the cety.

Cacherpos mycams, Ironal were seen and heard on walls in the middle of the city, Layouns Daya, Kaiker commen among the searty vigilation on the barren hells, at least a half dozen were sem today

tearfoodacus m. frontalis, Common among

the his in parks in the city, Talpinelis obsoletus, Iweral wire ken mong the rocks on the barren hells mean the city.

Harporhyuchus curvirostris, hus were sun skulking about among some large punhas on a barrin helsede.

Laning, Que was seen setting na lelegraph were and another was perched on the lop of a thorny but on a barren helpede. Imphopiga vilmesta, 1000 pairs were seen among the caetus and thorny oushes

on a hillpide. tales & pawerus, Ine was been flying along a stup slope in the hells, Sprotyte c. nypogara, tre glent off down a farren tullride from what appeared to be its ourrow, It flow from a hole which entered the ground on a steep helloide, I have vas bud exerciment tealling about man the whance,

Spizella. Three or four were sem loguther among the cactures on a darrun hillside.

Backaris, Common along the bottoms of nearly all the arroyos,

"Fithe Rubben Shrub" From spaningly and to small size on the Farren mills,

Goats. Have marly frinished devouring all the vegetation, Even the thorny should are browsed close.

"Magung de Pulque" Today ne si the edge of town I come across a piece of level ground, covered with again leaves which book him trummed along the edges to get risk of the point and the thoms, They were spread out in double over-rapping rows with the hollow sides up and the points leaved toward each other, An open space was left felwern the shouble rows to serve as a pack this. The hollows were fieled with water which is allowed to sland overnight out on frosty mornings ice is gathered. Most of this ice is used for making "heladas" on cruse ice-cream which is vold by puddling it about the city.

4512. This is by then the most common whent on the strike titels surrounding the city and is probably a characteristic Upper Tomoran species.

agave (6514 Grows sparingly on the will.

Lee, 20, Runainelet Zacations, Calamospija melanocorp, Siveral Flocks conimis at least 150 Firels each were seen amon

taming at least 150 birds each, were seen among the thorny vegetation on Farren, rocky hillsides, Dre. 21 Remained of Zacations,

Cervus sinuatus, a single Bird was sem

That defore sunset, flying over a high hiel. Pipilo duxacio, woo were seen early this morning among some ethick cactures man tho

Abeleodytes. Several were seen among the spunting and itrorney Bushes along an arroys, south of the city.

Die, 22 Runamed at Zaealeas,

Sigmodon Julviventer. I have rearehed pritty
thoroughly for reveal miles out in every direction
from the cety and have Jailed to Just any
vigues of this mouse and have Jailed to

catch any in numerous haps set during three nights in the most promising looking places. So have decided to leave this evening

Host of it comes during the months of June, July and august but showers may occasionally come later. The winder months are entirely they. Thomomys, Signs were seen in a misa.

not far from the R.R. station, Kuthrodontomp. Ino opicinius were caught among the searty growth of weeds and Cironyseus (Learned) abandant and well distributed on the rocky slopes near the Peromyseus (wh. H.). Found racture spanishy among the weeds and Jackaris bushes along arroyos among the rocky wells man the cety. Dipodomys Raiter common on a high misa about a mile from the R.R. station and an about the same altitude. Usually they make from one to three holes which enter the ground under the shitter and usually at the vaxes of that bunches of lange apuntais, Runways sometimes connect holes live or three feet apart out none were found leaking away from the shelter of the Loloma teommen along slove walls and other sheller, Ho she's nests were run. Karter dem runways were seen where the animaly are in the habit of passing through lines thorney regulation. to hold water Eight out overnight to gruze, belong

To one of the species used for making pulgue.

Dectan, Jalises. Dec. 23.

They are broad and rather short. I was total they were are brought from La Blanea, a small lown to the eastward about 16 leagues. according to my informant none grow here. The species found here is latter and has more slevden leaves. The leaves used for frieging water are about three feet long and about 10 inches wide.

Zacalicas has an altitude of about 8000 ft.
The city is surrounded by Farrie, rocky hills,
some of which rise at least 500 feet higher.
The hills are entirely devoid of brees, and
whrubs are few in runder, During the winder
season, sharp frosts occur.

Die, 23, Acottan, Jahres.

when I got on the train last wept at gae aticas I found Mr. Nelson and we came on
together to Ceotlan, arriving at 9:50 a.M. We found
quarters at the Take View House, a hotel of
which Mr. Winfield Scott is the proprietor.
Mr. Scott has travelled over much of Mixies
and has taken a great many fine shotographs
of the inclians, natural scenny and orter
interesting theres, and made it pleasant for
us at devilore.

Ecottan is situated two and one haly miles from Take Cenapala, in a rich

eom, wheat darley and tobuces

Viz. Today there appeared to be a dreided change in the vegetation show we began to descend the slope between to Viedad and Jurecuaro, it about 1600 meters altitude. In the plain mar to Principal Meganites and leaving uppeared to be the principal bries, ather we began rescending the + ope, I've tops, ather we began rescending the + ope, I've

This ofterwoon a trip was wode across and down along the farther side of the Jula river, a branch of the dantings - the two shears under a sport distance orlow the lown. He rivers are only a trifle sclow the livel of the Groat plan and are dordered near here, along both sides by marshy tracks in which many aquatie suds fud steller. Water Ayseinthe, This plant is said to have been unknown here until about three years ago when a few were placed in a small branch of the Hantings never, How the plant grows with excessive obundance and chopes the vanlage at acotton so much that navigation is interpred with and the ruer has be periodicully cleaned. The plants are spreading safely

and will probably som de growing

shores of Lake Chapala.

Pyrocephalus r. mexicamo, Very abundant along the Danks of the rivers here. Usually sun sitting on the My quites, Huisachis and orther brues along the Danks, but they alight also on any available purch, Luliea. Very abundant in the marshy areas along the river,

Erolophaga sulcirostris, Twiral parties of 5-10 tricks in the warshes along the Sula river.

An invitation was received yesterday and afternoon to go on a hunting truto today and thus on Joke Chapola for guese, ducks and other water fowl. The himitation come from Mr. Rence who is in charge of the Dwight furness ranch mear here and Jacing on the lake, a carriage came about 9th M. this morning to take us to the ranch, from which the start was to be made, It got of about noon in a large sailing cause which the start was to be made, It got got was about noon in a large sailing cause when Mr. Ruse and wife, another man and number, besides sound bootimes, Our offethic point was the

ricinity of the mouth of the river ferma where it enters the lake. The lake is silled up here and a sort of point of marshy land abbuts for out from the Main shore, or either side of the river, Marshes of grass, tutes and flags are abundant, The wind not being favorable we made slow progress but about short were man the mouth of the river and the first ducks were sighted, Mr. Ruce and I went after them in a small cause and what four one spriftail and three spoonbills. Fate in the evening, we are bord a quarter of a mide or more from land in order to avoid the mosquitous.

Most of the day was spent in the neighborhood of the month of the Towns hower and war the little village of Fa Palma on the south shore of the lake. We had fairly good duck shooting, considering our rather unwildy cance and the stores our cance men make in policy on about. A number of species of ducks and other birds were noted. Farge mixed flocks of ducks were seen among the lutes and flocks of ducks were seen among the lutes and flocks of housely before we were within gunshot the birds took alarme and flow to some other part of the lake,

There is so much room they do little circling and it is seldow that shots can be secured at birds passing over.

Chalacracorax Hear Fa Palwa a nestro piace now found, where perhaps 2000 burds were gathered, some of which were actually breeding, The nexts were selected among the branches of a thrut or twall the which called imagguite 65/5/his plant grows abundantly over shallow areas along the lake shore. Elswally it grows 6-12 feet in length with open top, affording practically no shade. Many of them contained three or four nist placed 2-5 fect above the surface of the water, Many of the nexts contained eggo. When we approached to use our cameras tho Duds were all firehil close together on The bushes out before we could get any very satisfactory pretures they look aloren and marly all flow off, that's were 12-15 meles

Late in the evening we started for Cootland But the wind stopped blowing and we were, becalined until late in the night, The wind which came up toward morning was not very Javorable but we made fairly good progress toward decetar,

Dec 26, Acottan.

Tearly this morning we arehored about six miles from Ceotton and mearly in front of a small ranch called Las Portugas. Is our boat had no keel it was impossible to work against the wind so we took a small cance and reached the Lurius ranch about noon, Lato in the afternoon Mr. Melson and I returned to leotton,

Entire day was spent in okning and preparing specimens shot Die. 24-26.

Die. 28-31. Remark of Ceottan.

The four days were sport collective in the vicinity of levilou.

Thateracorous Tris, dark grass grew, eyelid, dark brownish with 20 swall regularly & poech, transverse blue & pots; gular power, dirty flesh color;
bose of mandibles surrounding gape, dirty yellowish,
finely & pecked with dirty whitish; biel blackish
horn color along top of upper mandible, & hading
downward into bluish horn color on lower
part of upper mandible and all of lower, becoming
palest on under side of lower mandible. Sides of
lower meandible transversely marked with
kirregular opots of whitish horn color.
Classic Jaid to occur on plains near

acottan. Jan, 1, 1903, Fas Torlogas, Jahres, He. Helson went to Fundalajara whis moning to very pack and ruding saddles and other outsit for our trip through thehoacens and Furrero, He expects to be gone three days, I went with the photographer, Mr. Winfield Teoth & I small place he owns on the lake those about six miles from Ceorlan, to remain for three days collecting. The livile place is a point formed by a sort of delta, where a deep arroys or dox danon greaks down through the slup stuffs fordering the north shore of the lake. The chuate is much milder, no frosts occur in the immediate vicinity of the lake and crops of sugareave, Valavas, com, beans are raised, The sugareane and Javavas require urugation and the water is raised from the lake by norias: The hills Gordering the lake at this four rise abrupity and have eleffs and rocky ledges along their fronts, Surrealus maeroumo, leakled urraea"

Furnella Sweral were heard singing from marshy land arong the Jula river rarly in the morning, when on the way by course to Mr. Seath place,

The river which inters Lake Enapola is called the Terma and the stream Howing out the Rio Grande de Santiago.

lesstothins. This wire is common among the last grass and aqualic regulation won the Sula and Santrays rivers at acottan. They open, almost all the time out of right among the grass but on hearing one opproved they after hop up into view and having satisfied their curiosety gives by disoppear again. Decarionally they were heard singing a lively little rong.

Bolannas while hunters in the tall grass in a march along the Sula river, a bittern suddenly flow up writing 10 feet of me, It arose with a great glapping of wings and so suddenly as to startle me.

Melospija a grizle specimen shot in the long grass along the Sula river was the only me seen. It was perchel on a grass steen about three feet from the ground.

son and shot among some grass and was along the roadside near the onde server the Sula ruin at Ocottan yelenday.

Hanthoeepholus funthocepholus, a flock of cour to birds was seen na marshy track clong the Rio de Santrago near where it leaves the Easte.

the santings now. Focal name" gordillo"
tiens, a species with whitish fark
and broodly spreading face is common along
the lake those. This thre appears to always
your, up along the face of a cliff or large
rock, bloudly it is found growing on the
lower side of the rock,

Tearthquake, Court three years ago me I the lowers of the church at Ceottan was shapen down by an earthquake, It is being rebuilt now.

"Pochoti" Tilk cotton trues are common along.

The ships freing the lake at Fas Portugas,

and in the worth stopes of most of the hills

near acortan. They pour 20-25 feet in higher

and have the usual tapping sping brunks.

Atthe hove of few fruits season, many of

them have a few fruits almost ready to

lischarge their contents. In a few cases brees

were seen with a few leaves but no fruits.

Citheolobium dules, toommon in the valley

Citiesolobium dules, Common in the valley at leather and on some of the slopes of the surrounding wills. The Fark is said & be used for laming purposes at deortan, Tim De. This is a small the found

rather sporngly man Fas vorlugas med elsewhere along the take shore, he back is used for tanning reacher after ding grown very fine. Jan. 4. Icoetan. I relumed from For Intogas to leoclar and Mr. Melsen returned there from Foodalajara, Jan 5-6 Kiwamed at Ilcollan, Jalises On the 5th we wird Mr. R. R. Grompton and his gasoline launch to lake us to the moting place of the cormorants near ta Valua, em roger was to seeme a good set & pretures of the sinds and nists, Mr. Winfield reals accompanied us and we all look i minter / pretures, valley at Occetan. Lipus Jack rabbits accur in Jun grassy parts of the valley but are not so very common. according to the nations they are often seen in Typus a four cottonlails are found about fulds. Delelphis (15730) 2 menber of hacks were tem along the vala run and one & promuen was laken. Tromps (15721) abundant and well listribuled except on the marshy land along the

ruces. They were nost abundant, along but

gences and among the weeds along the Forders of fields. evarse grass along the edges of the marshy hacks along the Jula river. Degmodon (15717) excessively abundant and well distributed everywhere, They were found both ne by and on marshy ground, out were less common arong the cliffs was the tops of the hells bordering the cake, Peromyseus (5h. H.) (15715) Teommon everywhere the sula river. type wand is occer within & paringly mong the hells fordering take chapala, line was seen along the shore and shot from a canoe and the skull presented to as, Harma (5708) Three & premies were laken mong the coarse pass vong the edges of the marshy backs along the river. eaught in one of the runways made along the edge of a marshy track, Fording the Sula run.

Mybitis (15731) Ro in the case of the Spelogale,

(Jassansens (15734) Ino were caught in haps

a single specimen was caught in a book rinway,

set along the cliffs along the sluffs facing wake Chapala Stear Ceoclan, ( Trompens (15733) I swyle specimen was caught along a cliff several hundred fut above the rake. ( rocyon. I munder of bracks were seen. Julia illus ne discribed by the people and are said to be not uncommon, while I was stopping at the little ranch called Fax Vorlugas on The lake there about my miles from loodan, others came in the night and look six large cat fish from a fish pin in the edge of the lake in front of the house, The heads were lift meatin and were scattered about along the beach near the pen, I wo fish were lift unharmed in the few, Traps were set but on the following night the others did not return. They are doed to live in large holes below the water-line we a rocky bluff near the ranch. The water at that four is dup, they are soul to be roller common in the Jula river above devetan, There they live in hotes which who the banks among the roots of Bold temperes trios. clasionally the fishermen see them summing himselves on the webs along the whore of take thopala. Masua I for are said to occur in the hells surrounding the lake,

the novemente, i few are said to occur in the hills, Idocoilus Dur are soid to occum in the higher hells surrounding the lake but are not abundant. Baiomys (15710) Very common and well distributed. Kuthrodonlowy (15739) 1 king a & permen was taken among the grass on a rocky stope ownal hundred feet above the lake, Kuthrodonlowys (15716), several ofecureus were taken among the coarse grass growing on the wet dorders of the warshes along the Jula river. Apermophilus variegatus, Common among he rocks along the shores of the take, Iwal were sum in passing by canoe, and his were treared for spicines. drocyon. dand to occur. The following birds were noted at scottan and on or around take chapala. Layorna mariens Pyrocephalus r. mexicams Lucealus maeroums vachy crueta ocolor Carherpus myricamis

Dunns molacilia. Polyborus Chereway. scardafella mea. Cohoplita Auranir pis rstrag string terotophaga vulcerostris. Myrizelitis s. Augerreliosus. Førsphila morelleti, Frotherpis. Drysbates Miloopija uncolni, Terrens hudson us. At inportagneties Error votres. Levins pushelulus. Teacrothers de Chondistes Ew Phalaeraeorax Apricila pallida it Mycheoray naevus 七九 aldea herodias on. I poonbill Duck. Glossy His.

Traia carrelea Wood Ibis, Farus californieus Sprigtail Bolaurus lentigenosus Hurnella ezilains Jacana Vyrannus Green-writed Tral. (Flack Mallard, Lemmann Teal, Fuddy Duck, Ceathartis auras Gallinago Illicata legialitis vocifica Lister Jellow-Eigs. spotted dard piper. For - billed teurlew. Ridherd Duck, Codekymbus podleeps. Rehmopohorus Fithe BlA. Duck, Fodwall. leunade Foode. Irdea v. anthonyi.

Plalypsaris Barn Twel. Custotherus Fursea Ragula. Pitarques dirbramos. Helgedoptings surrapennis. Jeolico pagus eymociphalus Florida Fatimile. tales sparvirus. Prochelius platycereus: Thelaeracorap tyvania piceolata. zonotrienia imeophy. Lacie extroptris. Must prza jorgeava. Ihryomanis. machina macroura. Kantho uphalus 4 untros phaces account Herna regra. leingle alegon, " cabhusi, Milopelia: imeoplira. Geranga The following plants were noted or collicted. Frayata

La Barea, galiseo. Citheeolobum dulce Lantona (6520) Tafodium (Bald Eypress) Bacchario icacia farmerava terrens petahaya Pochote (vilk cotton tru) 6532 Amizguite (6515) apunta Tre opomea pro 8000 Junke (6524) tiens palo Hanco (6527) Luage agave (0525) Hender leaved tree (517) Timbello (6 031) jan. 7, Fa Burea, jalises. We left Exottan and bravelled by train to Fa Baren, a station i fun miles faretur east, on the Ferma ruer, The rue at this pont is about 30 yds, in widet and ugher or 10 fut in dipito, The banks are about 15 or 20 that we hight rand there is no marshy land immuliately along the stream. The great marshes in Muhes, Begin about five miles lower down.

Jan. 8, Mon. Our principal object here was to sieure spiennis of the geise which weren fresswely abundant, we sput the day on the marshis on the Ida. Burna Vista, about the mules from ta barea and south of the Firma ruer, the great warship near the eastern und if toke tehapala are called Erenegas which means simply marshis in the Apanish language, Walerfowt of numerous kinds were sun meluding sweral speares not noted before, two spices of give were our out they have been mited a great deal and are not so rasy to seeme as carrier in the reason, I for days ago swend hunters are word of have killed 200 birds.

Duck Hawk. Sweral were sun flying about over the march, Sweral times two Brids were sun, apparently quarreling together while on the wing.

Black Flith. Common on the march. Solitary in habits, Elswally seem wading about in the shallow water looking for Good. They peck frequently with the much

and water with their long vills,

Macrorhamphus a Jun were seen along the edge of the water in the marsh,

Mr. Milson had been seen them before in Myrico. They arose from among the short grass and flur en a close flock about 50 yds. to the edge of some open water,

They were not at all wild and were easily approached and shot.

Agija Several pairs and several small flocks were seen. One flock of sip or eight was standing in an irregular

small glocks were seen. One flock of six or eight was standing in an irregular line on the ground. Toward pairs flow over written easy gunshot, at such short histories, their broad bills and long by stretched out behind could very planly be seen and they had a very rugainly appearance.

Huminius longirostris Fright Frids Flux over us several times and one was Alot by Mr. Melson.

Stelgidopteryy serrapennis, Eight on 10 were seen flying over some opinwale near the edge of the marsh,

were glying here and there, all over the morsh, often within Jime 1210 Seet of

the surface of the water. Sureal passed within a fun feet of my head. Triva minitilla! Twinal flocks Fallings deliesta swent were flushed arriving grass and weeds near the edge of the marsh, and about 5 .M. when on our way home on horseback we passed within a few yards of one blanding in plan sight in opin grown with his tell under his wing and appointed Flocks were sun Flying. Chen (wh. goose) "Several large flocks were seen, They about to find In the White- Front of Goose. Anser (WT. fronted) Thousands of brils were seen. They were constantly flying about in huge flocks and in small parties and were pairs and vigle ours, They abjuted on long lines on the marshy and nisely bare ground reputating areas council with opin water, these are apparently regular fuding - grounds and the grass is propped close. The birds were very

resturs. Some frequently flew off while others come and alighted with the flock, while on the ground some of the onds frequently stood sip very shought and upread and flapped their wings, after five or sur would be donn this at the varue line, I estimated one flock to contain at least 2000 birds, It was a fine sight when Mr. A, come loward them in a canoe and the whole flock took to flight, Jan. 9. Reman at La Barea. Hearly the entire day was spont in maklehen. A native Tunter Browget in a large and a small white goose which we made up, Whither they belong to the same or difficult spices remains to be determined, tehordulis. Gesterday oweral were sem flying, late in the evening, over the Migginte covered plan near the lown, we was brought in this evening by a native tunter, in this wining by a native Turnter, The weather has den threating for swerd days and it has & printeled a will several times. This afternoon it degan Aprinkling and a rain of fine drops fell

Zamora. Michoacan. Jan. 10. all the evening, The following were noted at ta Barea. Duck Hawk, Black Felt, Macrorhamphus -, lygga ajaja, Freater Gellow Begs, Munining longworthe, Flegidoptingy serra-James, Grubitinga anthracina, Bulis Goreatio, Tilo , Iring a minutilla, Fallwago delicala, Clangula albeola, Petecamis erythror-Aynchus, Grus musicana, tehun (2016, 9000).

Annour (wh. frontil),

Fan. 10, De left Fa Barea soon after noon and travelled by havi to Zamora, Muchoacan where we arrived about 4:30 P.M. Road: Iling the road from furceuars to gamora, marsher of consumable extents were sen. Junal freds of wester wheat sweral meter high were seen salong the road, The rown continued all day loday, Willea egretta, In a march passed this afternoon along the road from Jukeenars, about a dozur briles were sun, scalling about in one place, gamora is a large foron, silvated in a broad vally containing much valuable farming land, fan. 11. Ruman at Jamora.

In the morning Mr. Nelson and I went on a horse car live about three mules in a southerty direction from Jamora to a suburt called Jacona to look at the country mar the border of the valley at that power, The helbs near Jacona are of broken lava, at least on the surface, but even some of the lava strewn slopes are marshy at least at this reason, walter appeals on The surface among the rocks, and swamp grasses and other aqualic vegetation is abundant, The Bottom of the vally is marshy m many places, Tilk leotton Tree Pochote". Common on will drawed slopes of the rocky hells. Cithecolobium dulce. Not uncomme in The valley. True I pormea. abundant on the drier parts of the rocky hills. Bananas are grown successfully in gardino a Jacona. læffer. Thrives in swall quartities in gardens at jacona. Jugarenne. Iwall fulds are grown near Zamora and Jacona, teacher per mexicams, Very common about the houses at Jamora and Jacona,

Cealabaga. The seeds of Aquarkes are loasted and eaten by the natives living along the whores of Take Chapala. Frayaba. The common wild spices grows ving abundantly on the rocky slopes near Jacona Voliophla. A fur were sun among The quayaba and Hackbaris bushes on the rocky stopes near Jacona. Bacchans. Eloumon along streams and on met rocky slopes near facora. Jan 12, Rimain at Zamora. Today it rained almost all day, learly in the morning it sloffed for a whorr time and I went out to Jacona to set traps in the vicinity, It began ranning again and I was soon soaking wet, but managel to get mouse haps out on a will about ters mules to the northward, which has cliffs near its lop which furnor abundant heller to small manmals. Thryomanis. Award were heard onging n a tocky till near jacona. It rained all day and I did not go out at ill. Rain ceased atout 4 R.M. In the afternoon

I went out to hill mean Jacona and found over a dozen mice in hope out day defore yesterday, yesterday, telsones a single specimen was caught in a mouse trap out at the bake of a large rock in a thicket on the north Hope of the hell, about two miles from Jacora. Fam. 15 Remained at 3 awora. Jan. 15. Kemawed at Jawora. Putorius I shot a spermen which crossed a trail in front of me, while hunting Illustration to be the covered with Backharis and filled in on typed whes, near Jacona page # J. 270 Jan. 16. Hoda, Fa Franceta. to Fa Gravacha, an hacinda about so much werry of Zamora, to try to buy pack and saddle anmals, arrived late in the afternoon and found the administrador absent, He was to relum on the following day, Road led strough valleys and over low, rolling hells and the country was of the same general character as at Zamora, The hacunda is octuated near the crininga of Francha at the eastern edd of Take Ehapala, The edges 8) the march make Jino grazing lands and considerable areas are covered with sugareme which appears to thrive very well as there is lite or no frost in the immediate

Illustration to be filled in on typed page /

Cealabaga. The reeds of Aquarkes are loasted and eaten by the notives living along the shores of Take Chapala. of take whapala. tuayaba. The common wild spices grows viry abundantly on the rocky slopes near Jacora Volioptila. A few were seen among The quayaba and Haceparis bushes on the rocky slopes nevar Jacona. Bacchans. teommon along streams and on met rocky slopes near Jacona. Jan 12, Runain at Zamora. Today if raised almost all day, bury in the morning it slopped for a short time and I went out to Jacona to set traps in the vicinity, It began ranning again and I was soon soaking wet, but managel to get mouse haps out on a will about his mules to the northward, which has cliffs near its lop which furnor abundant heller to small manuals. Thryomanis. Fiveral were heard onging n a tocky well near jacona. Hrained all day and I did not go out at ill. Rain ceased atout 4 R.M. In the afternoon

I went out to hill mean Jacona and found over a dozen mice in hope out day defore yesterday, Helsonia a single sperimen was caught in a mouse trap out at the bake of a large rock in a thicket on the nous slope of the hell, about two miles from Jaeva. Jan. 15. Remained at Zawora. Intorios I shot a spiermin which crossed a trail in front of me, while hunting along a helbride covered with Backharis and tuayaba bushes, near jacona Jan. 16. Ida, La Franceta. I went to Fa Francha, an hacunda about 35 miles west of Zamora, to try to buy pack and saddle anmals, arrived late in the oflinon and found the administrador absent, He was to relum on the following day, Mood led strough valleys and over low; rolling hells and the country was of the same general character as at Zamora, The hacunda is octuated near the crininga of Fuaracha at the eastern edd of Take Chapala, The edges If the march make fino grazing lands and considerable areas are covered with sugarene which appears to thrive very well as there

is lite or no frost in the univeleste

vicinity of the lake, Jan. 17 Zamora, Michoaean. Kelurud from Tuaracha to Zamora, having failed to find the mules and horses. Spermophilus variegatus, Kather common in The stone walls along the road, Two were shot for spiernens, Jan. 18, Remained at Jamora, Went out to the high, rocky will near Jacona and spent the day resetting and taking care still trapping on hell near Jacona. Kuthrodonlowings - a spiemen of a large species was caught at the save of a rock in a which on the slope of the rocky will. trococcyx californiams, ene was seen standing on the branch of a live about do feet from the ground. The true rose from a drive which on a sliep hillside was Jacona, The And stood up rather straight, with the lips) to tell elevated and its bail having down ward and was ultiming the characteristic hourse croaking note. Soon it spread its wings and lail myns, soiled down the hillside. The following manuals were noted on collected at Zamora. Helsoma, Haronyo

Peromysons, Pularius, Ipinnophilus variagatus, Ruthrodontomps, Burds, The following were noted or collected at Zamora, Buchoacan, Thryomanis Pipilo fuseur, Tyramus verticalis, Teardafella mea, Sprzella pallida, Dendroica anduboni , Thirmella , Cyrosephalus r. my - Milospiga lineoline , Colioptila , Tanthorephalus yanthocephalus, Forms , Deglvarna, ardia vireseins. Sporophila torquala, astragalinis mineamis , Toxostorna curverostris, Furraca Ceurhynek , Salpineting Absolutios , Minus polyglottos , Chondistes g, strigatus , Corons simuatus I left Zamora by rail early in the morning and joined Mr. Nelson at Fa Barea, shortly before noon. De has tur having good success collectivity birds. During the isternoon of made a trip out to the Han. of Burna Vista to look for pack mules out ind not find any, White terone, it me of the harmulas I saw a find that had been kept there for a number of years with it has become justlance, when I approached the oud was standing, porsed on one leg, with its head dut sidewise and backward, so that its

Tell usted among the feathers on its Jack, Jan. 22. Runamed at Ja Barea, Jahren, Went in the morning on horsebook with new mozo, Rosalio Briseiro to Macienda of Porteguela and orturs on the road to atolomices, a lown nouts I Ta Barca, to look for pack mules. Heliodytos = pitarrilla. teolecopaque eyanocepholus = urraquita; Jacana = gallito Wood Hois = gangon. Regulus Regulus Milanotis caeruliseus Oak Bork Weed at Ja Barea Joz Timbe Stamming harter, berotophaga = Pieris \* Sturmella = { Tortilla con chile. Kelurus late in the evening to La Barea, having failed to find any good ninks at reasonaste pricis. Jan, 23. Jamora, Michoaean, De riburned today by rack to Zamora,

Jan, 24-26, Remarked at Zamora,

There there days were ofent in completing

outset of voddle and pack animals for trip

If the R.R. and in making preparations for Jan. 27, Vatamban, Michoacan, We lift Zamora about 9 a.M., and travelled with pack outfit about 18 miles in a southerly course to the wdian lown of Valamban och walid at the base of the terrs de Palamban, au old volcanic peak about 12000 fut in hught, Road today and to jacona and then as civiled slowly out steadily all the way, Cutiogonys cenercus, a flock was seen near Jacona, freders on the burrers of an Horanchus, pulo fuseus, , Has the habit of outting up in plan went on the lops of stone walls, particularly early in the morning, teactripe tree used for making charcool For the use of blacksmiths, Probably Upper

Former Sonoran zone, Vigetation of this zone whints for up along open draws, even on gentle north slopes, than Palanton, at protably 7000 ft., a few Joomea trees were seen on asy south-easterly slopes, among scattered pines of two species, Excessively abundant or Fower Jonoran oaks.

Basilinna lincotis, Melanupes formaciones, Spizella pollida, Artolis, limbope pur-Juraseurs, Mileagris, authrostonus Haverdun, Spermophilus variagatus. Iwal were sein along sline walls som after leaving jamora, Arbutus Men Patamban. Jan. 28. Kemanned at Valamban, Went up from the lower on the north stope of the terrs de Vatamban, l'e karge canada diservolo this blope and passes near the lown, trom near the base, for whend up the stope nearly to the log, Ins species of pone oceur, and with very mall come and the other with come similar & what & . ponderosa, The underbrush is very thick, The stopes me sleep and there are no sheams, the mountain rises almost from the lown, in fact the lown is set natid on the Issal Alope of the mountain. " Jamelodia melanosephala) funció leolaptos noted iming the lower fus. Marila myratora

Typanins virticalis & near town & Palamban Jan. 29, Remarred at Palamban, I put the day working on the north slope Haveidin growa = Chirepopo.

anthrostorius = corcovi learous sumatus about 40 or 50 were sun, a few of which were setting on some old slumps and the remainder on the ground near, I could find nothing that appeared to altrach them to that particular Trogen a pan was sum this monu. m, in a dark carron on the north stope of the teerrs de Valamban, Acleodytes Deveral were heard making the characteristic grating noise, among the lower firs on the terro de Palamban, delophaga minata Yower Canadran Jone. I phry apieus varios Milanotis carreliseus Jan. 30, Remared at Palambun Working on the Cerro de Palamban, Comes Amualus about 10 were seen this morning, among the pines and oaks near the fase of the Cerro de Patamban, One

was setting on the lop of a olump and The ramander were standing about or scratching among the leaves and preking up Food with motions very much like those of Farnyard Jowls. Minula migratoria Hurdreds were sun and heard singing in a canada on the nort slope of the levers de Valamban. Thelocoma teommon among the lower pours, varases undian name alguere teorous omnatus = alguag. Rhynchoporeta platyrhyneha, a flock was hard calling high sto in the teanadianzone. Jan. 31, Runaind at Palamban Sprut the day on the teerro de l'alamban, Donex Probably his species were laken. One our larger and darker colones when the other. Both were caught under rotten logs in the canada on the north slope at about 10000 fut altitude. Popilo Cehamacooperza) How same whisthy note is ordinary Porlos of the miculatus group. Specimento from here show that color pattiru varus a great deal, In some specimens if is similar to that of ordinary Vipelos. Ceanadian June. Thyomania, Mear town of Palamban,

Varus nuridionalis Ergatiens meber Feb. 1, Remained at Patambare, leuptitolis neopenus, Daw five or Rip onds in a tree covered with small round fruts, in the Ceanada on the north slope of The Cerro de Patamban, The burds scattered as I approached on horseback and alighted in nughborry trees where they were easily overlaken and five were shot, are flux off some distance and hearing a tird utling erus, fall among the branches of a tree it returned and alighted not for away. They usually aligness among the report Jackhes of the trees, Houally on leaving Their perches, loud, ratting notes are notired, while outing on Joinches, a loud peculiar whothe is uttered. Dorry a specimen was lakens in a trap risch where one was caught ywerday, leohnes a Dogwood growing one to two feet in deameter is very common in the Canadran zone on the north slope of the Cerro de l'atamban, Jeb. 2 - 4. Rewarmed at Palamber

6574 Expenosella Woody her & about two feet in hight, used to make a lea soud to care malaria. From on the slope close to the lown, Buteo dorealis Hauridnin znoma Honodian zone. Proglodytes Immicapillus Feb. 5. Too Reyes, Michoacan, We moved today from alambur & For Reyes, a distance of about 12 leagues in a southerly course. Road skirled the north-west base of the Terro de l'atamban for a mumber of mulis and Min descended gradually to Vinguindin, From Tingundin we continued to discurd through pine and oak woods of ractur confusing species which appear to end only a whork distance above too Rujes, there was little to indicate zone foundaries. Too Reyes is tropical and at Vingundin, Davanas, coffee, aguacates and other tropical fruits are raised. Iralia along Jose of terro de Patroban. Toleane cones, a munder of volcanie, come shaped hells with broken out Eratir, could De seem in the valleys below us. Juasima Flope near Tingundin, Cacripe

Frens J near For Regio, Cenythriva J Fix, 6, Remarmed at Foo Reyes. The morning was opent in preparing for work at this place, In the afunound went out on the road by which we came, to some low cliffs along the edge of the vally and set traps for rates and other annuals. Bosiluiturus Enly one was seen, Fet. 7. Remained at Fos Reyes, Ceromyseus a vuy fulvous opicees, dwerd were laken, Ruthrodontomy Several laker. In specimens of the pictus group, the first we have taken this reason, Milanotis cherubsens Polioptila. jenardura macroura, tales sharverus, Tyramus near For Ruyes, Luxealus meronus, I boro bhila lorquata. dayouns mericano, telibralistos strigatus, teacher per migreams, Vyziroma

Layouns myricans annophila near for Ruges. I also & parverus Eathartis aura Fet. 8. Reward at For Reyes. Pilavjus dirbianus. teohumbigallina passerna Hurili" This is a Solvea used us a lea which is very popular and aftensively used By the Varaxeo indians and by the people It for Ruges in general, The whoms claim that it is very nourishing. Fet. P. Remained at Too Ruges. Timbirichi! = Wild Pineapple. Cerolophaga sulcirostris Urdea viriscus cococha" Telirus waglen. astragalinis mixeamis Fallwago delleata Duck Howk Umbelinga Ceyrtony+ Meleagris Telemis wagleri, calandria Melanotis caeruliseus "muluto" Tetina virus. Cearhansto atrala.

Irdia herodias Melospiga lineolini Hetgidopteryx surapenno Dindroica andubori. tales sparverus Grothypis (Carneothelypis) poliosephala Tolins abelle Leganomia Hacke laterostris Ceolyte reparia, Lolirus cuculattus. Heardafella mea, Juandura macrowna Ceryle cabanisi Platypoaris Corvus simultis Leplotica Merula tristise Feb. 10, Runawed at For Reyes. 6550 Cacupé coll, near l'atamban is a bree growing 6-10 mehrs in diameter and 20-25 feet in hight. The wood is said to wake with fine charcoal for the use of blacksmitter. /oyostoma Myrarehus amophila

Grococcyx Feb. H. Removed at Loo Reyes. Polysoms cherman Tiomys Ho. of lubereles variable, smallet is wanting in this out of five specimens later last with, Wilsonia Timbe", Swal burros loaded with the dark of this tree, passed too Ruges to day on their way to Zamora, where the back Virio happochrysius. Firithlypis macgilliorayi. Fit. 12. Remained at For Payer, Tignsoma ene was shot last night by our mozo, He found two sunds setting among The branches of a tree along a small shear we the vally near the town, line of the Birds at least, was heard waking a noise very much Whe the qua-qua of the Might Heron But was much hoarser. The worse was heard about sunset. Today Mr. n. skinned the specimen and it product to be a Frale with partially swollen listes. A search was made in the same vienty, this morning for the burd that isoaped, but it was not seen.

Ceartines a sprenoun was Europet una still trap out on some damp ground, overgrown with kall grass and dusker along a stream. Fallwago delicata, Common in wingated fields near too Keyro, Fast Sunday three I no killed 24 tirds in one field and å couple of weeks orgone a part, kull 64 m the same place, Local name agachon Bolothum (a huge flock ) mufed Kanthorephalus ) brids was sun flying about and alighting in fulles a few mules from Patawban. Lignodin a kingle spiernen was caught in a runway among the gran on a leep hellside about three mules from tos Bacomys Hone have been laken on the slopes of the hills at this locality, Several were taken last night among grass and From along arrigation deteles Fordering cane Fields, in the Forton of the vally. Chordiles Cerrens Zudsonins Feb. 13, Revaried of Los Reges.

Timbe, Three horses looded with this back passed Too Ruges to day, in routo & Zamora. The arrieros said it is common in the "Vivia calcinte" below here and that it is the Zavorite Bark of lanners in this whole region. Telins spurms Mycozeletos S. superceleosus, Milospiza dincolin. tearpodacus m frontalis Cember pos myleams, Ceryle cabanisi, estragalinus p. migicanus, Leandafella inea. Munus Leitellus vorregatus Lipus (Jack) acacia farmiciana Guarina" Spomea (tre) Feb. 14. Remains at For Reyes,

cryzomys The small species was carried in haps set about rocks and along the wet marshy banks of vinall streams, flowing Jum springs surrounded by thek woods, leganospiza parallina Clryzonyo a larger specer is not very unknow. It. 15. Remained at for Reyes. Amophila refiseeus, Twee among the brush and tall grass on hellsedes near tos Thryothoms (mojous sop.) tet, 16, Removed at For Ruges, Tyrgrooma Lives in thickets on rocky hellsides and has motions similar to those E) Pipilos, Delems wagleri, teommon. Usvally sem Juding about the flowers of the common large lengthriva so common along waderles, Vroglodytes Pyrocepholus r, meperous, Black Mallard, Frem-winged heal, Feb, 17. Remaried at Los Reyes,

Hohovory lue was eaught in hap est in sort of runway it base of the frowing in damp ground near spring in thick works. trocyon i fine old male was caught along an arroyo oping into the vally near leoners emualis. Fit. 18, Remained at Fookleys. Piranga hipatica, Feb, 19. Kewamed it for Ruges, I took our cump war and made a long days ride around the west end of the rudge called the leerro de Vancitaro to kook for moist tropical carious usuing from the south orde, We went nearly to the lown of. Vancitors without finding any canons, he total distance covered was believen it and as miles, Road adout three leagues to the lown & Piriban, octuated in mearly tropical country it the lower edge of the pines or the Periban we dimbed gradually for about two hours to the lutte wdean town of apo, at the face of the west and of the main mountain mass, there we continued hearly to Janustary. close to the Base of the south slope.

Let, 20, Peritan. Michoacan,

Fift for Ruges about 9 a, M. with outfit and moved to Pendan from which panish we hope, to be able to work the Cerro de Paneitars, arrived about noon,

In the afternoon I rode up the easy slope back of the lown, nearly to the Dase of the mountain mass, and set two zopher haps,

My adistis

Juneo

Spizella

Corons suivatus

Samilodia melanoreshala

Cearpodaeus m. Frontatis,

Ceolumba Jaxeinta

Dryobates (om, dr.) aphelocoma

a trip was made, up on the north slope, of the levers de Paneitars to set haps, It looks us two hours to reach the base of the main mountain and about an hour more to assend to about 10000 fut allitude among the firs, oaks and pines, Props were set in the Jones fourt among the lower firs and we returned to Periban late fin the afternoon,

Toxostoma curverostrio repelo Juscus Mar Periban. Auscalus marrourus Leococey 4 aphilocoma Basilina lucotio lengatiens ruber Mr. Tancilaro, Troglodytes actions Myadrolos Deurus Madroño Dosswood many Transition zone on mt. Vancitars. In, come Fine Targe " " Proop-leaved " alims Fit, 22. Reward at Person. I mt. Touritaro, and returned to Per som in the Zygogeomys I'wo hope were set day right, yesterday on the north stope near sonse fields, near the base of the main mountain mass of Tanketaro, I expected to eateh waremens of the Pluliz zeoming taken at Palambun, as its elevation and general conditions appear 58e. The same, and the two mountains are

connected by a high, price council area. I oday of was surprised to find the Zyzogeomys in one of my happy. of my hapos, Misonia, a pair of adults were later in Microtins runways, under logs on a nout slope in the lower edge of the Fir forest on the north stope of Mr. Tamertars, Merolus Not uncommen on damp north stopes in the fourt near the lower edge of the tus, by make well-marked runways under logs and army the winds and turkes, Reolonia a few were found livers about rocks along a small congen in the lower edge of the firs, They make fairly well-marked runways along the dakes of rocks and through the vegetation on sleep Blarina a single spremme was latin un a Microtus rumay. Donny Three taken in Merotus runways. Progon metreames Milanotis carreliscens Iphryapiens varius leolapolis cafe Ictophaga minata. Les. 23. Cerro de l'ancitaro. De ligh Paritais som after 8 a.M. and Before

noon were making comp at about 10000 fut allitude on the north slope of the terrs de l'ancitaro, the afternoon was Afint in setting traps. Jyzogeomyo The spicinin lakun yerlerday on the slope, at the north save of the terro de Tanestaro was of the usual last color, although the soil was a riddest loan. Carpodacus m. Frontalis J Fet. 24. Remained on Mt. Jancetaro. Redgivagia learly this morning as I approached an arrayo with a small theam flowing down it, one of these buds flux up from the water and olighted on a fallen log. Before I could approach to within range, it flow marly straight noward, to the top of a very tall trie did soon Jossed on out of signs, This winny the M. Daws a flook of 20 or 30 passing through the true tops, Merula bristis Baselutins Fells Basilima liveolis. Emadian zme, Tearhirus Columba Jaserata Trogen muframo Burremon Butio Forealis Vyrannus

milanifors formaciorous, Occolaptes Jeanadian zone. Viranza hepatica, Diglossa Faritula Fix, 25, Remarked on mt. Vancetars. I went today marly to the entreme summer 3) Mt. Panertaro, The trail is a very good me. and un frequent use by the Neveros" who go up marly to the top to gather snow or the ree which accumulates each clear night, in shallow, artificial jooks made in marshy growd man the lower edge of the mountine, after march or april it ceases to fruge and the snow all mittes on the vummit, The dop If the mountain is well up in the Had Soman zone. The seruday under-line pine is almost the only his, a few alders extende up at least part of the way noto the Budsoman Zone, Inceaton grass rigues at the lower edge of the Hudroman and surral large buches are covered with it and a thin growit of the Andsoman zone Pine, There buches uttend up to a back- some forming the crest of the ridge, and riving and moing puchaps a 1000 the above the weghest bruch, In the upper part of the leanadlan zone, the tris are

almost the only trees, and the undurgrowed

is many of large Trucios, Fupines and a Sur Jatveas. Indians, Fin gartures com, the Paraseo visiblians on Met. Pancitars, carry large baskets on their backs, into which the corn is thrown as this walk down the rows, husping as they Cironyseus Harma Horry Helsonia Idocailus Canadian zone deurus arcountypis Telerus (Scotts) Varmearhina Flagrospiga (Hudsoman jone, \* Tralia Feb. 26. Remained on Mt. Vancitaro. Dodder. In the upper part of the heavy Teanachean zone forist, Dodden froms so abundantly that who juis the whole, a Tellowich time. Rhynchopsitta platyrhyncha, Heard Fugunity in the Hudsoman zone, near the summet, they find on the seeds of the Hadsman zone Prine.

Horanstens a species grows very abundants of the Courdian zone, Sitta carolininsis Hudsonianzone.

pygmaea. Deidsonianzone. Feb. 27 Kimaned on Mr. Vancitars Jorep a small opens was lakin m a Microtion runway along a log, lying among the onuch, grass growing along the banks Ja small stream in a meadow near the lower edge of the know at about 11500 fut altitude in the Hudsoman zone, Camo one was sun this wining in a weadow in the Hudsoman zone th 11500 fect altitude. It was only a trifle over 100 yds, away and allowed me a good look at it before it ran It, Its Jack and lail appeared to the Hackron, and had redders for on the flaubes and Hudsonian zine, Corvus simualies (earhantes anna ) Feb, 28, Remared on Mt, Tanceltero. Today I areword to the highest point partially snow-council top,

Jugogeomys Kanges to the extreme top. Microlis Kunways were som along the edges of snow drifts on the summit of the Mar. 1, Remaind on Mt. Vancitaro. Talif Cemarlian zone, Palmate- leaved brie, Transition zone, Hombeaux, " Mar. 2. Remarked on Mt. Vancilaro. From the slopes of Mr. Jancelars we had fine someway the Volcous of Colina and the Surra Hevada de Colina, he dura Thrada was covered with a mouete of snow, ellibding well down loward lumber line, The volcans and durra Hevale me toldly above weighter, forming very proming land markes. The rulervening country, although not so high, appeared it de very rugged, Mar. 3, Cerosto, Michoacan. In the afternoon we lest the camp on Tauretaro and travelled about 15 mules in a south-rosterty course, would the northeast fore of mit, Tancitaro, to the luce Tarases urlian village of terrosto. Mar. H. Gruapan. Michoacan, We left levosts and travelled steadily

down a very easy olope for about 35 miles to Uruapan. The road continued today in the same general, south easterly course Mar. 5-7. Remained at Uruspan. Clarificomy Not uncommon along the. road to levroto, just above Urvapan, Only one spiernen was lakin, Mar. 8. For Vilas, Michoacun, We left thruspan and travelled in a southirty course for about 28 miles to a group of ranches called For Vilas. The road loday led up from druapan own a low price covered rudge, and then discurded rapidly into typical and tropied Mar. 9. Fa Salada, Michoacan De continued in a southerly course for about 12 miles today from Fax Pelas & Fa Salada, a group of runches on the edge of a canon strong he which one of the Indularies of the Kes Idalas flows.

Man. 10 - 23. Remained at Sa Salaka.
We spout this time working in the vicinity

In principal object un coming here was

of the dalada, The last your days I spent on a trip to Elimapeur to make a shipming of specimens, leaving the, Relow at our Comp near da Salada. Pheleagus Hot meanmon along the rugged carrons near ta Salada. They often come out along the edges of the grassy plans bording the earions during the day. They always roost at night in hees along the conons, The native hunters secure the bords by hunters their rootles places at might, They do not appear to have regular roots but simply root wherever night overlapes them. Baronicy Piromyseus Rasua Harna Thilastyx Quite common in Hocker, in the grass on the plains and along the walls & the canons. Har. 24. El Zapote, Michoacum. Left Ja Salada and travelled about 22 mile El Zapote. Mar. 25-26. Remained at El Zapote. Ino days were spent working at El Zapote.

Mar. 27, Agua Blanca, Michoacan, Teortimued 8 miles lockey, un a southeasterty course to the hacunda of agua Blaver, situated near the Volcano of Jorhelo. Mar. 28. Kemanned at Ugua Blanca. The day was sput in making a hip up on the Holeans of Jornels, distant about five mules from Agua Islanca, The trail led Mirough old lava bids to the lope. The Volcano of Jonello is about 4500 ft. high. The cration is large and is droken out on one side, tournly steam or sulphur fumes issued from various parts of the crater out for a number of years no signs of voleance action have dem sein, The volcano is not higher than hells in the vienty and is only conspicuous by its form, Mar. 29. Guadalupe. Michoacan, Feft agua Blanca and havelled 30 miles in a south-eartisty course to Fradalupe. Mar. 30, Vaso de las Valas, Fuerriro, teft Fundalupe and crossed the Rio Balvas and entered the state of Furriero. We stopped For the night at a group of ranches called Paso de las Vacas, Road today deserveded gradually to the Rio Balsas and then ascended steadily to Paso be Las Vacas, The Balsas valley is expessively arid.

Mar. 31, El Timor. Guerrero.

Continued in the same direction about 18 mils to ranches called tel Timm.

Two days were sput in work at El Finism,

Fift Ell Limon and havelled about 16 miles in a south-easterly course to El Harangs,

Apr. H. Fa Junta. Guverno,

We remained at lel Naranjo mutil noon to secure specimens of leitellus annulatus which had but described to us by the people, In the afternoon we travelled on in the same direction

dentinued for 9 miles today to the lown of La Union, Formerly this was a lown of some nin-

stricken at the present time.

Jest Ja Union and reached La Fugunilla afle

havelling about 20 miles.

Continued about 25 miles Today and reached the livele fort of Sihuatanijo.

Apr. 8 - 10, Annamed at Schwatanijo.

Three days were spent working along the coast at dihuatanejs. Boot trips were made to birds rocks to the north and south of the port.

ara macas. Found at least 50 pairs nesting on a bird rock or "mors" a few miles north of the port

Tropie Bird, found nesting in holes in rocks on rocky islets along the coart south,

Continued from Dihuatanejo, Lown along the coast to San Geronimito 24 miles.

leontimud south along the coast to bayacal, a dislaner of about 27 miles.

a dislaner of about 27 miles,

Apr. 13. Pamarindo, Guerriro,

Travelled on south along the coast for about

18 miles to Pamarindo,

Poday we browlled about 22 miles south along the coast from Pamarindo to Muges.

Apr. 15, San Germino. Faurero.

Centimied south along the coast 28 miles from

Muzeo & San Grommo. Opr. 16. Papayo, Gurroro. Poday we travelled about 24 miles from San Germino to Papayo.

Mpr. 17-22. Kunamed at Capayo. at Papayo we stopped six days to work. Cayaco. This palin is excessively abundant at Papayo where it grows as fourts in which the palms are the principal vigilation. Mar Pajoayo are large lagoons in which water-fout of many kinds is abundant. Teles hernandizie, a give spromme Just killed was brought in to us. Mpr. 23. Coyuca. Furrero, Fift Capayo and costuming 15 mules down the coast to the lown & Toyuea. Upr, 24. acapules. Fuerrere, Continued down along the coast for about 32 miles loday and arrived at the port of deapules in the afternoon, apr. 25-27. Kewanud at acapules. Remarued workers at acapuleo. Upr. 28, Remark at Capules. Went out in the morning to work near the soap factory of slevens of tera. Saltator grandis Melanerpes elegans Glancidum ferragium, Voliophla Tranatellus nothocereus

Ceartarista alrata King nicked Dawk. Commus petgii Leleva verens & ochodytes Tempedoray Anjugilitis & supercilianis. Liplolita Leardafella mea. Columbez alliva passerna Jacke nitida amplitapaga Umophila acumula. Ceolumba Haverostris. Ausealus macrourus, Casseulus melanetirus. Deplopterus Probably not this gen Morreserry? Cealocitta Trogen cetreoling teardinalis and inspecal acapules trie. ant. From . Watched one for a few moments this morning. I small black and was observed walking along the uner margin of a put the Follow which caused the aut to lumble

at once to the sollow, It brud to escape again and again by walking up the vile. but each time the Fron caused the sleep slope to cave with the ant. down the tim sized the aut in its claws and thrished it about in the bottom. The body of the Lan was all the time concealed from ween; Repeatedly the und managed to get out & the Front clutches and allupted to escape but was caught each line and threshed about, trually I happeved to Jar the ground and the tern disappeared in the word having the body of the ent in the Bollow of the put, I som there that the luf was at last dead, I awarted further developments for a fund moments and as the stone del not reappear I perked out a handful of sand and found him in it. He was about a third of an med in lingth. Trickly reased tonors hie. layaco, at Manzamelo, Jan Blas and

Capaco, at Manzamillo, San Blas and acapaco the Eagaco Palm is very abundant, Trus are soid to require from 20 - 40 years to come into Dearing. The muts according to William Slevens, Jamesh about 70 % villy chunical attraction and 65 % by hydrewlie pressure. The muts are oblong in shape, Most

Jall in the forests,

leocoyal, a polin with round mut

collected here. It is soid to be widely dis
tributed and also produces oil Aut the

nut is swall, very hard and is little

Apr. 29. Remained at acapules. Went out hunters again byord the soap Factory of Flevius y leia. Granatellus Tremed a pair among

the scriffy regulation a short distance from the soap factory,

Thryothoms maculipietus? a single specimen was head origing and mas head origing and mas from the port.

Apr. 30. Remained at leafules.

The M. and I went out early in pho
morning to a small island mean the mouth
the harbor to get sea birds and noted
when following,

Fregata
Cilicomus
Wanderin Touter,
Farus herrmani
Spotted Sandpiper.

Sula (Aame Sp. coll. at Schwatznego) The coast about the month of the harbor is of steep and more or less tropers Nandering Parter. We hard now seen this Find Fifore in Myes, Iwal were seen among loose rocks projecting from the water in the harbor and along the rocky thous near the mouth of the day, They run along and skulk about among the rocks and lig up and down somewhat after the fashion of the spoked Janspiper. Hamo hermani: two young fuls in Hack plunage were seen perchel on some rocks, they were very tame and easily approached and shot. . Hay . 1. Rimanud at leapules Lecrens (old man) jacaratia Bullthorn Priekly Imora tree. Thuging unt. by live in the owned bases one of the twoin thomas a short distance from the tip and nollow out the interior which ihm breames perwanuf wir quarters. Iwand thomas examined contained toward

of the ine into and about 12 dozin larvae Reasonally soit tranches of the horn thomas are perforated but usually only me. is the branches grows and the thouse appear, the katter are perforated while still quite your and liver and the soft pulp, felling the interior is worked out, whiche this serves as food I not I did not ascertain, dome of the fron Moms examined were partially hollowed out, and others were only partially perforated, a small round grawed place in the smooth surface 8) the how warrations where the perwhen disturbed. The duto them sweety Yongoli is cultivated to some estings nur uchpules, re out is said toe worth considerable for the manufacture D vort. Cocoant Pelms. Jour ones are soud to begin bearing man acapules, at five years & age. Mar. 2, Egido Muno. Guerroro, Left desputes and travelled about 18 miles in a northerty course to legisto Huers, a small lown situated among hills

1000-1000 Jut ingh. arremonops La Venta, We passed small village 8) La Venta about noon. If was at La Penta that we passed the East mights on the road to Weapules from the interior in the winter & 1894 - 95. tealocitta Dendroeslastes Commis petzii, Luaguma Juaguma, Paint - Brush Vine, Facaratia Fish Hook Vine, Entrolobini Cerruela Buchon Brazil Wood. Jicara. Tentirolobin The trees have flowers and fruit and young leaves are coming Hunche or changingo, teomin along the road mantigues Thurs. It does not appear to occur on the lowlands near the coast but is novally incombired as soon as one enters the hills. It ranges

from about 1000 fut up to at liast 3000 Jut. It was noted man ta valada, Michoacen. terus (upamo) Epelmaje West coast hie somewhat like leoccolobus Cecropia May 3, Dos arroyos. Fuerrero. Test regido humo about 7:30 1.M. and continued in a northerty course along the main road to tetulpaneingo to Dos arroyos, a distance of about 8 miles. Good led up and down here all the way and was rather rough. Delinis Julans Vilyra Cardinalis Voccesdates Thrysthorns maculipictus, Columbigalling uppening Front Hook Vine. Manche Tierens (separus) Pels del Brasil Jacaratia Cacahuananche,

Tinterolobum Cernela Bullibon Opentia ( ong slender-traved) Repulmaje. Tirmile mests are abundant. Calocita I and was vin vitting on a nist made of small sticks in the top of a wild fig tree, The bird squawked at us from the next and when we stopped to water her, rose and flux off. May, H. Remained at Dos Virogos. Phatthornis mycams, He remained here today to try to sieme wpolypes of this did out none were seen. The country in this vicinity is of Eour hills of decomposed frank. May, J. Coquilla, Guerrero. We lest Dos arrayos at 7:15 am. and about 10 arrived at alto del teamarron where we lift the wain road to and formers and turned of to the eastward and stopped at the small 16 miles. Herna antillarun Tweral were ven along the Papagaels river.

Helanirpus elegans, Calocitta trumaps Vigrennis Eurocains macrourus testumbegallina passerna Micesaytes Volatima oplindens, Calocitta Kest was found in a small fork near the top a tree standing alone mar the Papagallo river. Mistowas of small streks loosely gathered together. The was the slender- travel species growing so abundantly along shearing, leggs wire swen in runder! Urdea egretta Big malva truwith five-look gods. Cedrens (tipamo) Centerolobum Bullihom West coast hie Ceirnela Guarina Reapules tree Hanche facuratia, Priticolobumin dulce

Jueara ardia herodias Cerolophaga Imachia cumamonea Vigrisoma Vilangus dir Siamos Mysozilites &, superculosus, Juayaba Dished thom the. Heren Jean (Junilan to Malvaviseus) Nest coast tre, This is a very crooked straggly & pecus growing abundantly a the dry hells, in many stopes it is almost the only tree. Prehvage Tealaquarranche, "Cacha de Borrego" vong vierde poddet, Dignomeracions tree first vin mar el May 6. Jan Mareos. Furrero. I rest Mr. Milson and the outfit to work along the road to sulpaneings with coast & solari a set & proluis & the round houses end negroes who rukabit them, I lift Coquella at 6:30 a.m and reached San Marcos about Aunset The

distance was about 30 or 35 miles in a sout - easterty course. Road today ted gradually down nearly all the way through hely and more or less rocky country, but there are no very dup canons, thouty before reaching van Marcos the hells practically ended oo that the hacunda is on a low, rolling plan, extending to the sea. timophien reminata realocuta Milanurpus etiens, Communis pelgii. Imphispiza I udvedsplus Thilortyx mocrecy affins Dissiculus milanielerus. Xuscalus macrourus Terotophaza successoris Euthartes cura Accountes Menda flaverostris Scardafilla unea Milastonia

leayaco or cognillo" The point so common at Papayo is called coguello near coquella where it grows at 1000 or 1500 ft, allitude. Rosa Marada, West coast his. Bulliton. Le ulirolo buin Lauguna. Some Franchis Lad old leaves on some had new leaves and others had floren, May . 7. Copala. Guerrero. Fift Han Marcos for copola et 71.M. Good led in a south easterty course along the coast planes and was fairly level. Now helbs were sucountered in a few places Dislance travelled was about 35 miles, Trogne chalybea, umphispiga humeralis, Drings work loud juke note and meanwhile ferbes its wings olightly up and down, Tallator grandis. Aufelotheres eachumans, ver flavourdis.

Ceardinalis Heliodytos Ertalis Commo Calocita Fache nitida attila Polyborus Unophila acumula Jeardafilla mea Dindrocolaptos, Telems pustulatus Cassiculus milametirus Hansedmin ferraginem Pohopula (old. cap) Thryothorns Chestnut belly Cerotophoga Ruleirostris, thelopelia unesplina. Dudrocolaples teganospigs leclancheri, Campiphilios quaternaliusis. erophloeus respularis, arrimono po Tylotila Myrodynaster

teolumbigalliva passerina Umphropiga humeraiss. Estere livo ords possibly mates may de sun oreting close logether on the vame branch and sworms the love firey song in unison, The song wines wines Fires Havovirilis, abundant and in full song. Attila siveral were heard surging rear the road loday. Hortocersus luc was den more: rapidly through the undugrount the about 10 yards from the trail, Hawk, white collar like spie. coll, at Respulced. This afternoon one was se un to fly low our the grown and directly into a mass of Fishhook vines. Wacahuananche Viry abundant everywhere in the toast country, at leaguella & your a man with work leaves stuck to his forthead and temples and he isound me they were just for readuche Franche, Flanton West coast true. Propernaje

Durelen Luazuna Fute Luba, 10 chocarpus (Fish-paisin) (vic Milva (five-lood ruds) Tix Hook Vine. True smilar to icocolobus, Enterolobum rickly leaved sonora true, jacaratia Opuntia (long stender-braved) Cerus lepano May 8, Hear Copola. Furrers. Thate a trip lodge about 10 miles in a southoreasting course to a place called tas talivas in the coast where I found sweal of the rows houses and a black population, Harge quantities of soit are bury made at Has Dalwas, I seemed the photos and started took at 4:15 M, and spent the night rear teopola. Diploplina Thermella Ins returns were heard lespota and Fas Salwais,

Regross. along the coast south deapules are numerous villages of crinkly - havid people who eviduity are of African blood. They have however thise to some rylind with the misean undeaus. I key live in wany places, almost inlinely in round houses. These round houses degin asto Auchvelan, a days have south of Copala and extend into the state of Cafaca, The houses are made of slivedu pour placed perpendicularly side by side and kusted logether with vines. I roof correal in shape and made of grass thatek is then fut on. Carismalura Hothocereus, teomina in woods Houch Jan Marcos, Houth of Han Marcos, the low dred Iropecal forest is interrupted here and elecre by open grassy llanos of all sizes up to 100 acres in aftent, the largest ones were Hay 9, San Marcos. Guerrero. Kelurud to San Marcos from near Copola, Dislance hovelled, about 35 miles. Thay, 10, Kewand at Jan Marcos. The day was spent here to rest my horse,

Relumed today June San Marcos to somiles. Evanocompra

Evanocompra

Lecrula. Distance about 30 12 55 miles.

Ceryle cabanici.

Ceryle cabanici.

Ceryle cabanici.

Ceryle cabanici.

Is dried at Hous Franke. The ripe Juit

is first toiled and then spread to dry in

the sun. When dried it is said to keep in

definiting and wanted for Jook simple re
Juins time again toiled. The wild

species is not used as it contains very

little pulp and is too sour.

"Jimiginle". A wild species is not uncommon and a cultivaled variety is said to seem.

May, 12 Realizable. Fouriers,
Travelled today in a northerly course
to lead parcings. The distance covered was
about 37 miles,

Road today led directly up from to quilla veroso a high ridge and desended the east side to the Rio de Amistan. after crossing the river and travelling

about 3 miles I came out with the acapuled road to tehelponeings at hiera Colorada and climbed up gradually by a rather rough, rocky road to Dos Caminos, where I stopped to have dinner and to ful and rist my horse, The country as for as Dos Commos remained of the Dame general character, On the hells near Dos learnings the lower prices begin. Irom Dos Caminos the road led up a fairly twel vally to Rincon which is situaled unmediately at the base of a high pine covered ridge, there are pines on all the fulls surrounding the valley, but none in the bottom of the valley, trum this found where the pines begin, the tills and all the rough ground is covered almost solidly with them, From Rincon the rook assended who ridge and descended rapidly to acahuzoita. Realingotta is a sugar hacunda schoolid near the lower edge of the Jenes. anhoscomys. emphispiza humeralis Coquella to Des Caminos. Aleadytes eligans

Diploplinis Lache nitrain Amazilia Convaminua reapules hu Lyones Rosa Morala Flatthorn Bulleton Nanche Big Frage Palo del Barasil Opentia (long slender-leaved) Cereus tipamo" Belwein West coast hie. Cogullaand Tipehnage Dos Cammos, Fuaguna guazuna. Big Malva (& lobed podo) Cassia Cerruela Fish Book vine. Anona Ferent Dean (Armelia to Malvaviseus) Tuayaba Foul-thom true. The similar to beoceolobus, Milaslowa Pochoto"

Putrieolobinis dulce } leoguella to Dos Caminos, Cimes, I was surprised to find that the species rawing the lowest near Dos teaminos is the sp. with small rowled come first noted near Vingundin. Mich, and not of jorullensis as Louppoul it would be. Hauthorn, Many & the tress have flowers, fruit and leaves out rack any of the large thomas, The largest thomas appear to be produced on brus which have no flowers or fruit Sometimes parts of Franches are covered with fairly large chories ind no fruit a flowers and the paris haven full and flowers have no large thorns, tundar conditions have been noticed in the case of the Tockote and Juaguma Los teaminos us a small lown. Fortre. I would of the women at & Do Teammas have it. Herula flavorostris Dos Caminos 4 replotila El Rinein. Luscalus macrourus Callothrus Icardofella mea

Pyrocephalus r. mencanus, El Pinen & Milanerpex formaciorous, Jacamizotta. Wild Finiapple Omno (um, sound come) for learning to kineon, acacia farmerana Lucieus caks y several species origin near the same point as the pine and range to the lopes of the rudges, many following the shears, they are all narrow leaved opecus and the broad- heaved ook to common on the ridge between Truspun and the valada, Mich. was not Veg. The prices appear to rave here for down into the tropies. Many of the hopical species over lap and dang up to the top of the rose at the good crossed Where ut is probably 1500 ft. Wylen whan Kincon, Hanche Tyornes Jungine Jp. which overlap Wist coast true, with pines near copal Veneon and on rage Mesera farmerava Defween Rincen and Rosa Morada, deahingoita,

Veg, The nanche and West coast his are among the most abundant spices occurring along the lower edge of the The high ridge crossed between Kincon and alahungotta is quille rugged and is scantily unbind apparently on account a) poor soil. May, 13. Chilfancingo. Fuerrero. Left Cahugotta at an early hour and reached behilpanerizo, the capital of the state about noon. Distance travelled about Helsin at the Hotel del our. Helsen at the bottle del Dur. From acahuzoita the road ascended for about 1000 ft. and then discerded into the valley in which tehelpaneings is silvated. Jone, Many hopical species & plants extend up emseduable distance above acohugoita and end on the west slope of the ridge crossed and the country becomes four tonoian in the valley at thelpanengo Umophila referens Platypsaris Reshwijoeta Hope Carherros Merula flavorostrio Tyrgrooma

Deploptions Monolus micheanus, Praya Metopelia lincoplira. realmyster or week Comme pelgie Fiscoccyx affine. slope, Comophela accumula Volatima opherdins Mysigetitis A. supercelisions Istragalius Valvey of chilpming Tyrocephalus r. muheums, Carpodaeus m. frontatio, (Fower Forman,) Clowns sumatus, Copal fingille icacia tarmerava Tvoguna guaguma. weelshow, r soul slope Jacaralia (Pochoto, Homea rie, tuay aba argimone (yel of) Harrhom The similar to bescholos Baccharis (yel. Fl.)

anona Banavas acahun orter duraceure Agave (large, long slunder-haved seen near Uruapau) Near bop Sprintia. (long olivder-leaved) Passed Magailun, a small lown on the bulgarings. south slope, about 8:30. May, 14. Remained at Chelpavengo. Kewaned at Chilpanengo, making preparations for a brip who the into, nout & abilipanengo Hay. 15, amillene. Furrers. Test thelpanenzo and travelled about 18 miles in a northerty direction to the ranch of Inulline, situaled at about 8000 Jut allitule in the mountains, Kook loday ascended almost Headely. The vally at teluspaneuzo is quile-dry and barren, from after chinging out of the valley we found the hill sides coursed with an abundant growth of fan palme, Augher up we entend a their forest of Jaks and prous and another knd of fan palm, The woods were racture barren looking and there was title midegrowth until we got mear amilleure when

it became much more abundant and the chivate evidently much more damp, Intellent is schooled mad the crest from which the west stope linds down, The west stope has an abundant ramfall and the country un medealily about ameline is also affected, Salpinetis obsoletius Catherpus m. frontation Grococcyy Wally Tehelpanenzs and Adjacent slope. beleasetes Delocoma Khus Connach I pomea tree. Carrea ladar Dasy irrin teopal I reluge agave (Groad Espared Coll, near Thurspan) Trogon ambigues Thos Codytes Drumewollis. Sutes Forealis Times. In climbing up from Chilpanengo the first species seen was the small sound cone. Iwal others appeared higher up. May. 16. Remarmed at ameltine. Thelanotis carrelineus

Setophoga minatu leoners simuatus Chames piza anlacorhamphus. actopitis Myocholis Driothlypis Hasinna lincotis Milanerpes formacrons. Viphocolaplus deronantes unlandences. Helgedopterys ourrapino. Trogon mycams. Cachines Merula tristis ". my propungua. eganocutu Iroglodyto orumedlis Belodyles Mitreshorus Empedonay Robelocoma uncolor, Heganopus archoni Fralia Hornbeam Basswood alines

arbulus Ceratargus Polin. (Fan) The Jerus. They grow 10-30 feet in leight and are rather common in many of the canons at 8000-9000 fut altitude, They are vely found in the humal oils on or man the lop of The sea slope of the mondains, anlacorhamphus Tate one evening whileout we the woods, I suddenly heard a tril shruking as Mough in Joan, a short bislance away In approaching the place caulianoly, I saw something mover among the undugrowth and find at it, When I wached the place pair of adult Breams Eyen in the Tody If a young Munila trustes they had just Hay. 17 - 20 Kemawed of Smellene.

May, 17-20 Remained of limitume, less lops of the high ridges mear limitume, which rise probably to 9000 ft. They grow scattered over the tops and north slopes in Jainly open fourt, They do not appear to occur in the canons which are filled mainly with what appears to approach Upper Tropical vegetation.

However, Trows along sheams in canons

and extrades up the stopes to the tops of the highest ridges. May. 21. Remained at Ormellemi, Basilentinos. Nest found and pholographed on tullside. Deluated on ground at base of ownered small shrubo. Made of short livings, fine roots and leaves rulerwoven and level with very fine very grass. I views laken 2 at 3 ft, 30 8 60 sie, 76 stog and I at 31/2 fut 30 8 60 see. 96 stop. automotios Chloronerjes Bud similar to automolias. Delattria. Dix Aprenius were seemed on a rudge south slope of a rudge a couple of mules above Unellewe, this morning, They were working on the flowers of Bromela - like plants grown high up on the trancho of lall oaks. May, 22. Remarked at Chulleen. leganolyea Himeorhina And similar to automolus, another was was scratching about among the leaves on the ground in a thicket, automobis Three were secured this morning. The last one was shot about 11:20.

They appear to go in pains, although the poin shot yesterday showed no signs of dreeding. They have all Dum seem from 20 - 40 feet from the ground, working along branches, mousely in trees in which there are air plants of various kinds, and mooses charging to the trees. They do not work rapidly approach as Develocalastes does, but may be sum clinging to the trunk in the same position. They walk about over the Bark in all directions and one was seen this morning head downward, Decasionally on small branches in the ordinary position assumed by most birds.

Amazona Jinschi.

Troglodytes brunnucollis. A mesting soile
was found this morning near amilleme. A
large pine had been partially burned out
on one side near the base from the ground
up about 10 gt. Hender the Fark, near the
tops of the burne was a deep crack into
which a pair of brids were busily carrying
resting material. They were placing the material
entirely out of sight in the crack.

Hay. 23. Remained at amilline.

Otiliogorys cinerus, leonmon among The open

woods on the lopes of the hells near Culture. alacorhamphus about noon today one was seen puched on a rock apparently fuding on something, It was that and deside if kay a full grown Myadistos, stell entere such swith the back of its skull crushed. May, 24. Remarred at disulteine, Dudrortyx about 6 a.M. this morning & found a I with a swarm of young, recently haleted and just able to travel and caught less of the young. The mother bird race off a short distance and disappeared, but could be heard cathry occasionally. The young buch bried to , escape by running and when closely pursued, and arriver the leaves and remarked not conless. On oung caught they rellined, starp started crees, che-e-ep, che-e-ep, che-e-ep, after all was quet the young onds began to eall beanswered with a sort of clocking noto, ca-a-a. Mulacorhamphus this with quek fluttering was shopes, and makes a flutterny noise, Baseleuling culicevorous, Kule Common in the apper tropical fourt man amillione. They search for food among the undugrouts and are not at all sky, Iwal wire of served

at a dislance of a from Jut. They often alight in plain view on the bushes. They have a dry little song se-e-et, se-e-et, se-e-et, se-e-et, se-e-et, sepression Propiese Jonest near Cimilleine. Most of their lime is spent in the lops of the brees but they were occasionally seen among the lower branches.

Unlacorbamphus Duile communicathe
Upper Propried Jourt on the west slopenear
Cimiltune.

early this morning a few drops of rain fell and clouds were thatten in the hills all about and clouds were that the clouds were their. This is as no doubt a remission that the rainey season is approaching, I went slope, west of limitered and found the slope, west of lines for rolling up the slope, The more lines for rolling up the slope, The more lader their will ped in the for had a sharp appearance and stood out very dark against the while background of fog.

Aleronauting melanolius.

Oyanorelta

Myadestes Rulacorhamphus Mas Keveral gueer hoarve Thelocoma uneolor, teommen in flocks 1 m Upper Tropical forest mar Amelleine, They an very noisy Finds and appear to Juarrel agood deal among thurselves, Neoloma Liomp Ruthrodontom Amel. Both are commen un Lop. The Upper Propried Jorest. Peromyseus Peromyseus Degmodon Oslarina Loux Lepus Alasua Iguacate Ins wild species occur in Upper Propieal forest rear duellenie. One with globular, Truck fruit about 1 1/4 when shrough rand the other with pear shaped blackers fruit sout 11/2 mehrs long und 1/4 & an meh Mroughs ine form. Many of the fronds are only six Veet un levgit.

Think (Keticulation belly) The specimen laken was found apparently sound asliep on the leaves in a little opining in a thresh in a thin part of the apper I ropical fourt at about 8000 ft. altitude, Ommes (wild-ching) From sear Unillenie. May, 25 telulpanengo, Lucroro. Keturned from amelleine to Chilpaningo. Hay, 26, Tastla, Tourero. In the afternoon I went from telulpanenzo to Vayta to look for Clocaris and Humella, The distance is about 3 hours. The road leads up and arrows a high ridge covered with the thorny leaved for palm which grows everywhere about the vally of thelpaneings Hopfel in 1 della at the migon of Fino Juaria. During the evening be assured me there were no fleas or ond buyo but som after returning of began to ful that some thing was wrong and on abouting a match found six a ught bed bugs and as many fleas orliver the sheets, tortunality I had some flea powdu and after thoroughly sprinkling the sheets som Jell asleep. Hay. 27 Chelpaneingo, Furrero. The morning was spent in uploring the vernity of Turita and un the afternoon

I returned to takelpaneings. Inftta is selvated in a broadly oval vally nearly surrounded by rother slup, Garren wells, here is no outlif on the surface for the water which accumulates in the vally, Hear the south - western margin are some suck twee into which the waler gradually disappears, During the ramy season a large stallow lagoon is formed which lasts for several months, after the water disappears the thoroughly irrigated land is planted to corn, garbanso, musk melous and other crops. The agricultural importance of Julita is due intirely to the land thus irrigated. The lower appears to De about the same size as Chilfancings but has much less suprinis, it is however a prettin place. Hurnetta. a half dizin spiening wire secured in the fulls on land irregalish

Placeris Ho signs I any were sem, although a thorough search was made, in the dry plain of the part of the valley which is not irrigated.

by the lagoon. They are commen residute but

appear to be limited to this constructive

May, 28. Hetstathan, Guerrero,

Jeft Chilpanery about 10:30 a.m. Jor Ignala.
We reached zumpargo about 12:45 and stopped meth
3:30 P.M. when we continued on to Metglildan, Potal
dislance travelled was about 19 miles, Metglillan
is a ranch on the carion leading from zumpargo
to the Balsas river.

Amphispiga humualis.

Salpinetis obsoletus Carturpus Corvus orninatus Melanurpus elizans

Held Prinapple, a species with curious tapering leaves and long flower stems, First Hook Vive.

Cereus a large single stemmed speces.

Polin. (choring leaf) Common in the tiels

rear gumpargs where it is estimately work

for making petates, rough ropes, thatehing homes,
awintodores for faming choicoal fines, bromes
and for lashing together the corrieal framework

much used as carrying baskets. Here go out

with the together to cut wood and return with

it down into a pack with shreds of the

leaf of this palm.

Isomea hie. Backans Teassia Ceacia farmeraise Copal. Outreoloburin dulce. Hauton. Loyat, alm with smooth leaves which grows in the mountains, Vinzan quariche terrus (tramo) terms (old man) Vinuela wild pruapple at Vixila. Travelled about 33 miles From Hetytettan. to falitta Saltator Deleodytes Telerus purtulatus amphippinga tumeralis Eyanospya liclauchiri. Monoho meyeams. demophila acumunata Vino Havourdis. Calocita arlalis

Butes Foreslis

leolumbegalliva passerna. Cearhartes anna Vormmer (Am. swokey) Poliophila (Ilk. cap) archogeomys Road led down a long opin canada to the Balsas river at Migeala where we arrived at 11.30 a: Mand remained to rist until about there V.M. where we crossed the river in me I the large boats made for the purpose of ferryng passengers across. I som the river the road lid up gradually to falitta, a cluster of ranches where we slopped for the night the road is a rough wagon road all the way, all the country traversed loday is excessively and and at this season looked very parthol and dry. Boots, hose used for gerrying bassingers across the river at Macala are rother out stantial affer itout 10 gest broad and 25 or 30 long. Tooded annuals enter by the Here which is out of agreement and closed or ward. Balsas run. It Megeala it is about To ydo, wide ud var i toger euruh. Gyococcyc affinis

Freus (rock & ford near leoctan) Prosoper Palo Verde. levens (single stim) Pingan Guarichi (Pikeolobin?) Cleacea Jamesava. Fittle Ceriba Vermetes, Abundant all along the road, May, 30. Iguala, Guerrero. We continued today from Paletta to Iguala a distance of a trifle own 30 mules. Good loday was a fairly good wagen road nearly all the way, It ascended gradually but led through and properl country all the way. We finally discurded a steep will ruto the valley in which toguala as silvalil. Veg. There were no struking charges lottoy. The latter part of the way there were large open grassy areas. Britogromeza a mumber of diggings were ser along the road, a couple of mules south of Tolotopa a small lown that we passed about 10 a.M. or about 1/2 hours south of Iguala. They live among the bushes on steep Alopes where the ground is sight their

There more level, Humella Drysbates (ladder Jack) amophila acumusta. asspules me. Molochrus obscurus Jucaratia Flacehorn Basel wood (palo del Brasil") Guazuwa znazuwa (znasuwa) terruela I sp. tour thom tree, Spomea tre. Hanche. Palo del Brasil' at Zacacoguca 2'2 Louis Hours I Iquala a Jule was been which had for cut to one out to the RR, Spomea tree, in species were common along the road, but with viewing leaves and The other with smooth leaves and horning Francis tropes" along the road from Chilpanings to Aquala the people at ranches and in the lowers field corn gravaries usually in one corner of the corral or near tho nouses. They are usually 6-10 feet square

and 8-10 feet high but from I ololapa 4/2 hours south of I quala to I quala most of those seen were round and instead of square, work purds have square grass-shalehed roofs. May, 31, Emound at Iquala. I oday was spent largely in getting of mod To continue by rack, fune, 1. Kewanud at Iquala. An the formon I went out in horseback to a small take about 112 miles V. E. y oquales The rake has no outless and occupies 2 dipression along one sede of the arrad well vally in which I quala is vilualiel. terolophaga sulcirostris Ashagalining p. mixeams. Lyranus amophila dementa Calloctions Chalacracoracy + when. Podilymbus podicips Forrita Heganopis welson Ducks 2 kinds Phalacracorany & Very common.

Ducks. In spices were sun me of which the & has black head and nick and lack and whitesh or light grayesh dody. molochrus obscurus tunal paras wire sem feeding about a cour, Auscalus a 7 was observed making clumsy altempts to calet some large-winged insect which was dodging along four or five fut from the from I, The oud half flux half-jumped up at the much from a standing position on the ground, bach une it missed it alighted on the ground and unmediately made another allempt. after four or five failures if finally suc eleded in calching the week, Value. The Morning-leaved species so common on the hells man telet faverys also occurs here used is used for whatchers houses The leaf stems are lift about by inches in liveto, it by are prepared for use by aging a strip through the dake forming ? loop. To fasten them in position, this loop s simply untied and used to divid the caf in posetion. Trunga Grown- Mastell ( was surproud to Heganopus wilson. J first three two species along the shore of

The lake, Specimens were secured which in bring whinned, showed the gust seems appeared the rather have and insuspicious. They were feeling as close together that a wringle whot a specimen of each, when the Sand proper feel another which had been feeding reary evieled about overhead several times returned Erries.

Sawarind. The plana at I quala is warrowed by very large lown and his the head of a district It is surrounded by very and looking country, from and other common crops are raised to a limited plint but blockraise is the principal business. leaseabote, was most iburdant along the

many lamers and the pods oring is soon with Michoacan from the backets of price in the markets. (Mule thems) for the pods oring is form into Michoacan from the tableland for the pods oring is form into Michoacan from the tableland fore the pods.

June 2. (Kir Balvas, Fuerrero, In the wining we look the having for the (Jalvas ne the Jalsas were at the present and of a branch of the My, tent. R.R. line havi slarly late for it had to want for a Leionged have from the certify Mushes, of was a myest one and a recidedle primitive offin. The wadhight had been bent up the road for repairs and forgotten it headquarters to we were solvered to make the hip down the live after a heavy rum storm without one, In addition in orakes were working unpergetto, We reached the wer about mudment and vet up our cots and went to thep in the spin we man the rente house, Mason, I de ram, season began at Laguala this crewing, with a heavy downfrom when made small rivers of many of the sheets for several hours. Teattail I lag, a paleh about or ydo, Aguare grows in swampy land near the ruge of the take near Aquala, who collon from the reed stews is used for sluffing pillows. Cossibly this way be the name species which grows around take topapala, This morning we found Rio Balsas to be

a collection of 20-30 nauve shacks gretural close dong the bank it the mount of the socula a small trouting that mens the let & halkers at this pourt, here is i great concrupt selección the work in my g the Ro Halvas and the crystal clearness of the teorila, The Dalsas at this point passes believe stuffe 100-200 feet in hight but there we practically no eleffs. A substantial iron bridge has been built across the run out the autroad wills at the run, artial grading has been some for about half a mule buyond, Volatema & plendens terotophoga suleirostus seardafilia mea. beilo aytes Tyranius Melanerpus etigans Quiocita Meruka Huverostris. Viris Hawowindis Myarchio (mull) Totolila. Philos type Amophila unmates. legialitis voce fira Ceryli cabanisi

Ry selphalus 2. meny, telinis pustulatios, (thataeraeona x Myrgetetes & super. arthogeomys Diggings we not uncommen clong the steeper stopes " Three the sort is loose, it will not worke east might were see this morning, Therms (lepano) Hvaguna Juaguna deapules tre. (dialitorn) Viles: (my large sp.) teommon, It is now repening fruit, although entirely leafless. The fruit is of a dark-red color when rige and grows in very large clusters, the vinos grow 30-35 fut un lugth and appear more like half returne whrubs than like grape vines, June, 4, Rimarred at Rio Dalkas, Monotus myreams. Columbigalina partirua. Iraca moderas terjanosporza telenene i. undusp. za mysticalis. ishurina plagiala. Ravelulinos Action.

Tistolila 98/04:M. Etree brids in as many different places were seen pershed greety about 6 feet from the ground in stady places Vides ( hvery large of) From a single, compaiabout shought olive and is not wester and contorled like ordinary grape wines, often it is two and a half feet between the nodes, It has luming tendrels but grown upward and returns, rother them climbs over the ourrounding regulation. At the degimening of The rang reason to absolutely leasters, beet most of the plants we reprint our three range chusters of fruit, which are lark red when storoughly ripe, levruera. 2 sp. tisk book Vine. ine long-heaved powery along streams Cuticolobum pingan quarichi") Parfording (Bald Egypniss) Frayaba talo det Brusel. Theoliana Glarcons leas) arginone. Gillow June 5, Dunte de Litta Fuerrero. We were Aleged to to six up until 2:30 a.m. at Rio Balsas, to catch the train for but de

Tipla where we arrived soon after 10.30 a. agelans charreters" Volalinia splinding Jelins pustulation Thryothorns gravdis. Deardafella mea. Columbigalliva passerna. Punte de Fifta, Amojohila acumula. astrogalinio mixicanio, Oyrocephalus r. meteanus Sporophila lorgueda, Memla flavorostris. Monolus megicamis The following informalien is from Mr. 6. Franklin who is employed at mine on Alt. Thursday from Reo Balsas to the mining earny of Walson and Ord at Veolipie (10500 8.) on Art. Trotape, said to be 12500 ft. highand Where snow falls occasimally. Rio Balsas - acartan Ceross Balsas on toat 15 mie, acarlan - Chapullipie 15 mi. Chapullipie - Placolipie 10 mi. Parota - Protepes 20 mi. Last day in

the hardest. June 6. Remained at Pueute de Data, Haverdunin ferrognen. Cerolophoza sulcirostrio, Buto. The rock found setter in a shady corner, on some rocks muder am over-hanging cliff.
Philostyx & Hock of six or ught was found among the Brush on a dry tehordules Ryctidronus June 7. Remained at Viente de Lata. Thryothorus. Amphispiga humeralis. Libragor, Correctus. Racher commen in weed paleties and along brush finees, June 8. Remanuel at Cuente de Holla Polyborus Cherway. Cearyle aloyon. Lotumbigallina Basserna. Piet a frail structure of weed stems placed on unler-Cocking branches & a Bussachi, June fut from the ground.

Cameothypes Columbigallina passerina, Cuapproaching a nest the Junale fleur and alighted repor the ground about 30 feet away, The unwideality began to hop It dragging her lift wins, I few theps farities on the began drogging both wings as though they were Dycalis a fur were seen in a meel fuld which had just dem urigated. The onds scattered and wilness dreeding but a looke Hock of 6 or 8 vas seen flying atong about 20 The above the rice, after I had stirred our object singly among the rice and when they are constantly flying wellistly about. although there were dushes about the Inds were not Joseral to alight any when if jeept on the ground, Ingle only pairs and loose parties of three on How make Thights of the ground, The note is a dry, weak t- such repeated of intervals of a few seconds Fort while in the ground and during flight, vivo direls were som hovering

with fluttering wings, about two feet above the tops of the view. Passibly the may have been make courting finales Egealis ene was downed to alight in a bush. Inother noto relevent. Aury slow flight is see - see - see repeated rapidly. The flight is undulating and irregular, in morning they noually fly fout of out of buglet, but occasions they alight within 200 yards. Jonetimes enty discribe several circles. Hodemys, an adult finale was secured yesterday and he very young one was caught last night along a Hone wall on level grounds man the bake of the helds on the spoole-sele of the stream and about a mule above the RR, station a few signs were were which I at first supposed were of Rioloma; nom places led out at the Bose of the wall and there were small quantities of troppings near rocks on which the annuals wednesty perch

June 9. Two Marias Morelos, Peft Printe de Iptle of 9:38 a.m. and mached Tres Marias at 3 P.M. Mr. A. con-

To evacuate, the only runways were some

timuel on to the lity of Musico and I otoppel at This Marias tree to foundays to they to secure topotypes of Dendrotyp Mr. M. des - wribed from here and also of a Heliodyles he discribed.

The road from Cunte de Luta she R.R. the do sleadily upward and crosses a succession of terraces or valleys, each one bigher when the East, winter de titta is on one of these tirraes and teneruvaca is on another, Curriavaea is octuated on a rolling plan near the sake of the mountains, Door after leaving tenemavaren the long steep excent, leading to the summit of the ravge begins, In the way up to Ino Marias there are splindel views of temmavaca and a very broad Aparet of the surrounding country, Janupec can plandy de sem, settatel in another vally and separated from the valley at tenernavaca by a low ridge. The low plans or vally country appear to extend wito also stato of Puebla, from near leurnavaea large lava deels uptival

June 10. Remained at Tres Marias.

This Marias is a swall slotion five kelometers from Hutzilak and us the realquarters for our iflusione wood und rankroad- the cutting dusiness. lig, In the munedialo vicinity of Tres Marias their does not appear to have wer bem much of a forest of rakes, the price have dun pritty marly all cent off On south and south-western stopes near lautzilac where is a knowy and eycestevely humal forest of rakes, now being rapidly out off. I his forest occurs fort below or mar the lower dorder of the for forist. Cipilo fuscus tarly open - comjamelodea metanocephala bry near fres Merula impratoria Marias. Healia teleogonys Tipelo maculatus i roglodytes drumucollis reornlypis int tresh Myzoutos near Autgelie. re ophoga minata + delevery tos Viriolannis we therewer & the peles

was that in the top of a tall rak in the forest near Acutzilae , orlinder tos Tocal name matraquita a flock containing occurral nearly grown young was found in the oak forest near Autricae and 10 Ands were secured, The first oud that fell struggling to the grown and the other birds zathered zuekly in trees and buthes near and several darted lown to the faller bord, so that a single That relled three of them, others moved Afectedly about in the tops of trees near und were essely shot, I hun found the buds were worken tusely about in the tree tops and some of the members of the fock were ulling the barok, railing note which has given the oud its ocal name, to som as I began shorting how ever the Arries instantly wasped their note, This harsh note is only illust it intervals and usually sweral and utter it in unison, meanwhile moving about with rapid, firky notions, he beliadytes erus have rabits very similar to this one. Austrilac.

Comms True similar to Madrono. Oak foust near · brutzilae). Weather very cool and rang, when it is not raining there ere often heavy fogs, I leavis The west is dried at Butgilae und after burg pounded fine is musel out eoppee and given patients suffering with fros (malarial five). " waveouling ifter one drud the E blood is powdend and laken, mifed , with vino tinto" (clarit) for descenting, Ceinis the wkin is get un ted, and slight upon, as a cure for theumstrom. Mil notis carreliseurs. leolaptes cager. Williphones teams The "seco" (tallow) ifflied afterwelly is therward to relieve "theumas" Meunitism. Heleagris Dard to occur in an oak Fourt a furmiles from Huitzilac. short of the day was spent in the oak fourt near Hutzilac. June 11. Remarked at Tris Marias. Progon ambigues, at Huitzilac The prople sometimes upe the meat for heart houtle, Male birds are belled and after removing the winter are dried write the feathers on, for use the dried weat is cut fine and soaked several days in "firey" (showing and them later out and chewed. Drinks of the firey are afterward token, early each morning.

Glaverdining proma

Pirava he patica

Costlentons cubicioarous

Elder "sauce" a tea is made of the flowers and applied to wounds to allay inflamousting. Prumes (wild cherry) Rhies.

June 12, Remained of Freo Mariais,
Dindrorly Formerly common in the
vok forest near Huntzilae But the peat
mumber I wood-coetters now at work
there have driven them out or diminished
their numbers so that I begin to Jean I
that not be able to secure any specimens.

Frue 13. leily I Mexico

Mo Grouse were found during a final
must this morning and I decided to lake

the afternoon train to the telly of Medico & where I arrived late in the weing in " igswed Ar. Nelson June. 14. Kemanued in the Certy & Plesteo. June 15. Purbla, Purbla. In the evening we left the texty of Mexico , and went to Pueble where we drived about Follock, June, 16. attyco, Cubla. teortimud this morning to attife on him E me found a heavy ram blown in progress, June 17, Remained at attites. Hum prome Mocorio Carpodoeus f. mup. Astrogaliums p. mux. Zuardura marroma. Ceatherns Eacher Jos husbuspiga mysticalis. Tyrgrønna a poir was found among the bushes along a cruk, When one was shot its wate immediately flow down beside it. Furaea c. eurhyneha. Deardafella mea. Cachartes auren Classea

Ipomea tree leopal Lugareine Wheat. Orpper tree. Mave. Frosts. Hyps ones occur at attixes w wulet. Acoloma, i fur signs were suring along elists Fordering the arrays or gulch through which the cruk flows, a fun miles above the lown. June. 18, Kewamed at attipes. Auscalas Colimo. agelams. amophila botteri. Munodramus Hayoun morream Melopelia Europlina. June. 19, Kewand at Mixe. Whiledon regelerogaster. June. 20. Dan Martin, Vuilla. Fift attices this morning and arrived here soon after noon. June 21, telly of Mikes. Returned to the lity of Myrico from Han

Martini, In the evening we took the train for June 23. La Barca. Jahres. Reached La Barra about 9 a.m. Ne didede to go to teottan tomorrow and to work our around the marshes was the mouth of the Firma ruer from there, June, 24, Costun, Jahres. Fift La Barea and moved to Coulan. Practically no rain has fallen here as yet and as many walnefowl are said to want until the rams come orfore trueling we are too early for many of thim, June 25. Helman & at Ocostan In the morning we fift decition for a brip out into take ahapala. Most of the day was sput in working our way across 12 or 15 miles of lake to the mounts of the verma rour where we conded and camped for the meght. Tale nouses, Hear the mouth of the river we found a small settlement of Asherman leving in houses made of tales Milopelia Eucoptera poles,

agelino Eumamin I eal. June 26. Remanuel man Deoittu We returned during the afternoon & Ocollan. Wood Jos Harry Dos Richmophorus (pefeil" Trothlypis Melospiza (song sparrow) While Hois Block Mallard, Low Reclams Fulien gallirita Ardea Terodeers " ieneogasha My ctreary nacours. June, 27, Rumaned at ilcollaw. tolims. Most of the day was spent hunting qual mong the Dantings rever olum resilans and the lake, right. Spiermens were siented, it this season - of the year they are rather common smore The miggints and on the scenp grassy

areas near the run, wherever there us

any cover. Iwall flocks were been but

many of the so is have pained in I are Degraming to Fruit Muopilia meophia Hurrella agiabitio vocafia perso fuceus Seurlafula men. Jacana zymnosloma Harportynshus curverostres. Procepholus r. meseamo ustrogalimo p. muraitana. Chiledon erythrogosler. Eusealus marreurus Meiario myrarehus Marques derbrames. demophila acumala. Furaen C. unhyneha. Cery's cabanisi. Futien. Angelto v. superceliosus. mardina racroma. Malacraeonas telif in allow thorandes Extenses 1 vegornans Aporophila lorgu & la.

Winnes Lelens pushelators " bullocki lerolophoga succirostrio, Leteria vuens longicande, Tule. The round spicers, called lute redords is used for making rough wats for packing dried find which is suit in lærge quantities, from Take Chapala to Toluca and Milico. Cliff Iwallow. A rumber of occupied nests were sun under the arches of a masoury on he which crosses the santiago river at Acteria virus longicanda, il rumbu mere Aun and heard origing late in tho afternoon from purches on the topmost franchis of Migginto trus near the santings Agmoton, I munder of Argundons were sun early in the morning, running about among the short is us man the river. Their holes The when the yound in places which at this season are grile unshellered Offen They run rapully for a fun yards and

stop to use the intruder for a second in time

orfore running in usually loward their holes.

Spemophilus varugatio, tipus (jack) June 28. La Barca. Jalisco. We returned lodg from Reoctan & Ta Barea, to do a little more work in the marshes near there, In the afternoon I went out near La Barca, to look for hawks. Dryobates scalaris. aegialitis vocefira, tildio & chifirio agelams Doarforhywehus curverostrio. Coucharisto Farmo Heliodytes Milanerpes Vipolo fuscus vyranno Cerolophaga sulcerostrio. Icardafella men Hurnella Polytons chermay. Typus (Jack) Mezzeule. Sprutia tecrus (pitahaya) Reacca farmeiana.

anggul. June 29. Rumand it La Barca. Caltripanos Thryomanis Cerolophaga picus A e went out in the morning to the marshis neur La Baron, still Jule-dry from lack agilains We seemed a good serves of malis and Junales and fond the spices common, Hasts were also found. Teothypis a form which may pos sibly de new was common among the bules and a good serves was sieured. tight rowns fell during the afternoon. June 33. Traposts. deft ta Barca et noon today and arrived here in the evening. July, I. in routo to Washington. Left traquato at 3 a.m. and went to del at once, When I got up this morning the have was many aguas baluntes, where we had breakfast. Arrived at vorrion late in the evening, July 2, un route & Washington. When I got up this morning the havi was at Monelova. We had Briatfast at

Johns and reached leagle this between 10 and 11 a.M. and continued on to varia intonio arriving Nout 7:30, It van Intonio L look the rain in the International and Fresh northern for St. Jones. All. H. continued by the douthern Pressie toward New Treams, Deliver I sofford and san intouis the country was much jum and prosperous looking them I have ever seen it, I here have Dem abundant rams. July 3. En route to Washington. This the morning when I got up the trani was nearing Valestini in eastern Houses. Many of those in the country and small lowns are of the old fashing slyte, with my chunny at the ends. Deg. Woods are very green. Awer of this Country is fourth. Fireodularin Thort-leaved Pine. Ill common. Targe - leaved oak Duwach Twall for Falm Reached It. Fours early this morning and

for Washington,

Reached Washington soon after noon





